

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: LUMIERE

Report Number: P220381 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1002-[A1, P1, S1, SU1]-FL-LED2797-M-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220381 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29418)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1002-[A1, P1, S1, SU1]-FL-LED2797-M-WT-L1-UNV
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, FLUSH LENS,
MEDIUM FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 2700K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A	NEMA Type: 3H x 3V
Luminaire Lumens: 731.4 lumens	Max Intensity: 3999.4 candela
Efficiency: N/A	Max Intensity Angle: 0°H x 0°V
Efficacy: 73.1 lumens/watt	
Luminous Opening: Circular (Dia: 0.17' x H: 0')	
Beam Angle (50%): 23.1°H x 23.1°V	Field Angle (10%): 38.1°H x 38.1°V
Beam Lumens: 372.6 lumens	Field Lumens: 572.9 lumens
Beam Efficiency: 50.9%	Field Efficiency: 78.3%

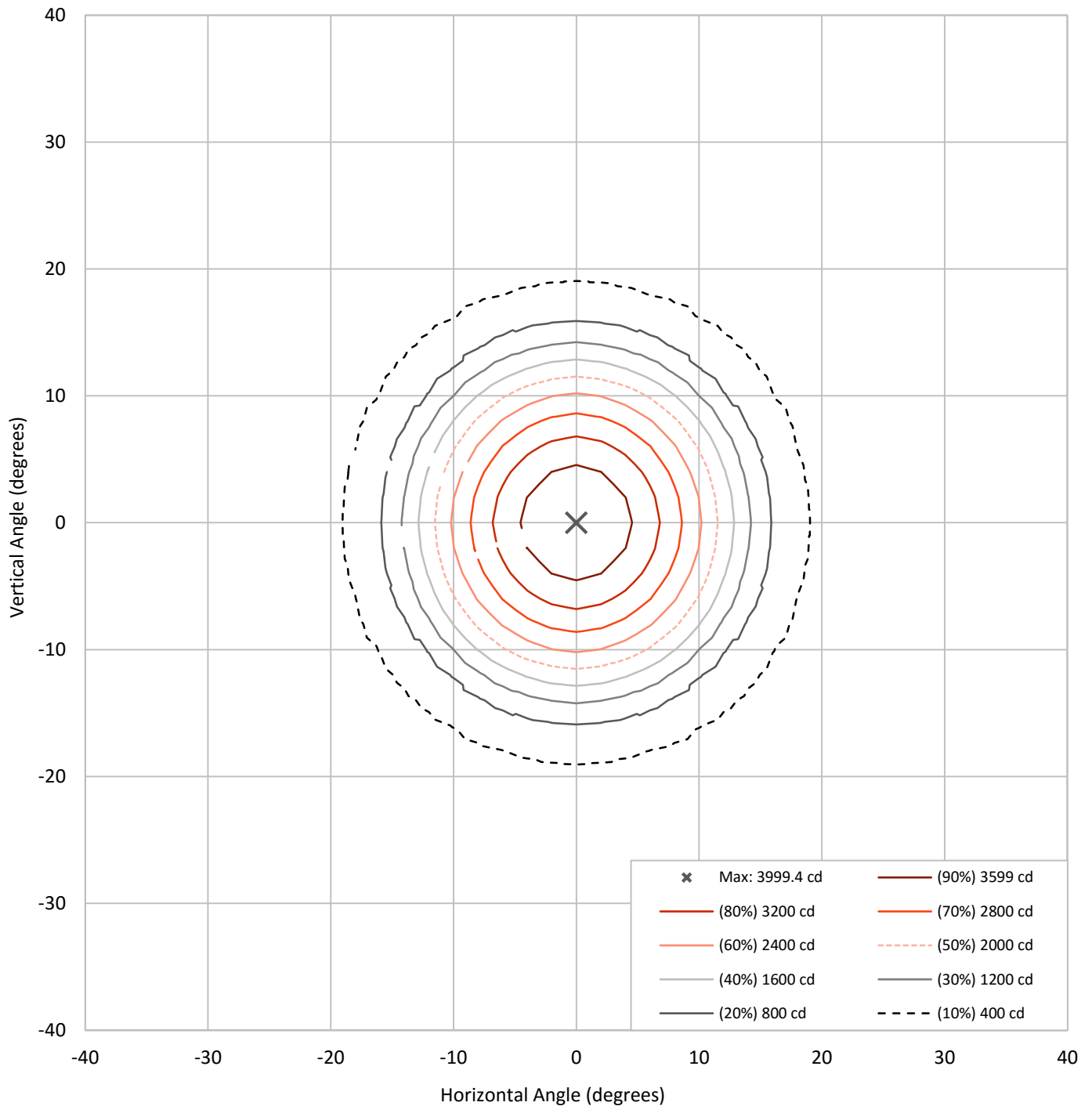
Input Watts (W): 10
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Candela Plot





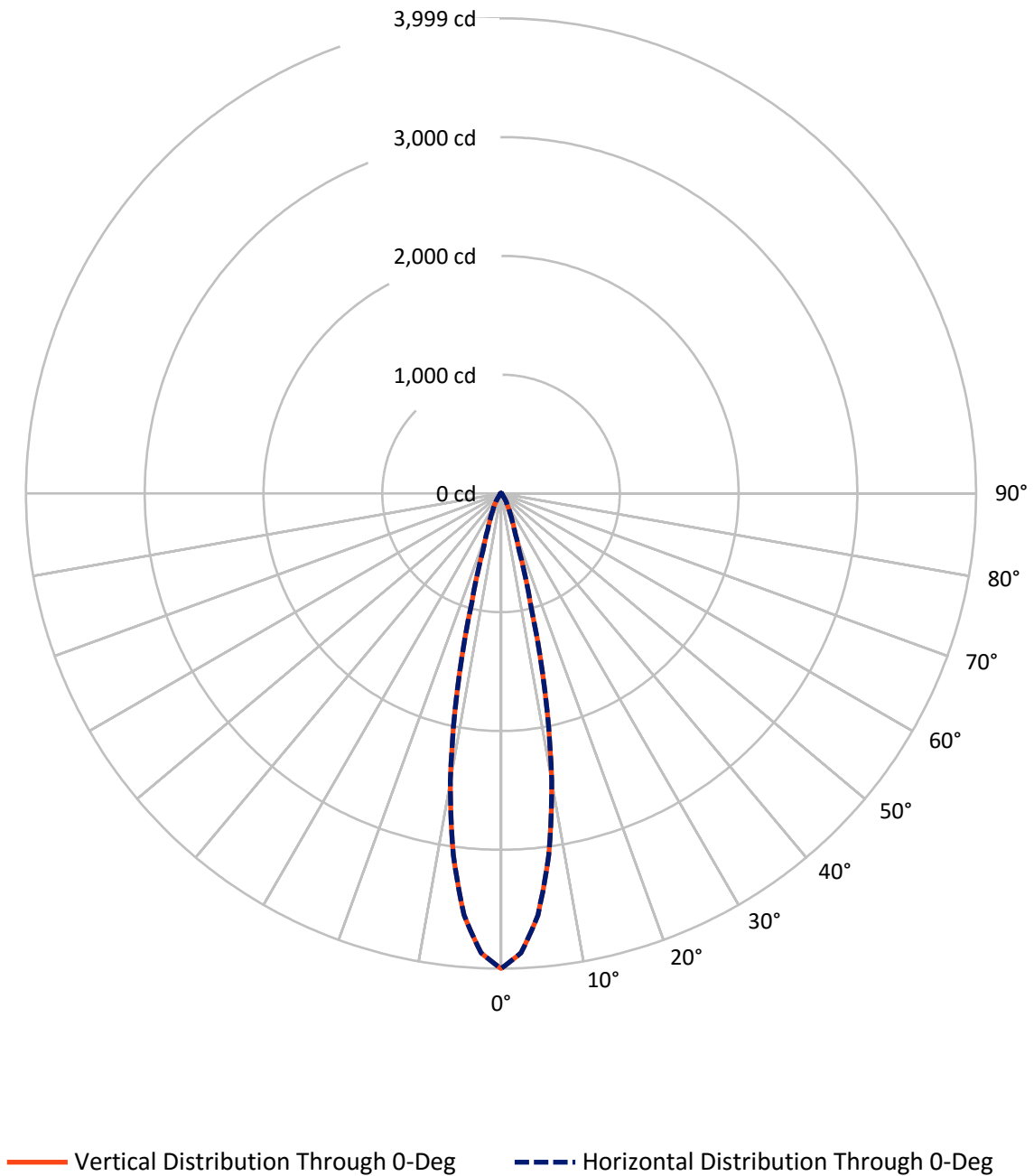
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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-M-WT-L1-UNV

Lumen Table

90																			
80	0.0	0.1		0.1		0.2		0.2		0.2		0.1		0.1		0.0			
70	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0			
60		0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0				
50	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.4	0.4	0.3	0.2	0.2	0.1	0.1	0.0	0.0			
40		0.1	0.1	0.1	0.2	0.5	1.0	1.5	1.5	1.0	0.5	0.2	0.1	0.1	0.1				
30	0.1	0.1	0.1	0.2	0.4	1.5	3.5	5.5	5.5	3.5	1.5	0.4	0.2	0.1	0.1	0.1			
20		0.1	0.1	0.2	0.8	3.3	9.8	27.9	27.9	9.8	3.3	0.8	0.2	0.1	0.1				
10	0.1	0.1	0.1	0.3	1.2	5.0	27.2	88.7	88.7	27.2	5.0	1.2	0.3	0.1	0.1	0.1			
0		0.1	0.1	0.3	1.2	5.0	27.2	88.7	88.7	27.2	5.0	1.2	0.3	0.1	0.1				
-10	0.1	0.1	0.1	0.2	0.8	3.3	9.8	27.9	27.9	9.8	3.3	0.8	0.2	0.1	0.1	0.1			
-20		0.1	0.1	0.2	0.4	1.5	3.5	5.5	5.5	3.5	1.5	0.4	0.2	0.1	0.1				
-30	0.0	0.1	0.1	0.1	0.2	0.5	1.0	1.5	1.5	1.0	0.5	0.2	0.1	0.1	0.1	0.0			
-40		0.0	0.1	0.1	0.2	0.2	0.3	0.4	0.4	0.3	0.2	0.2	0.1	0.1	0.0				
-50	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0			
-60		0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.0				
-70	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0			
-80		0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.0				
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

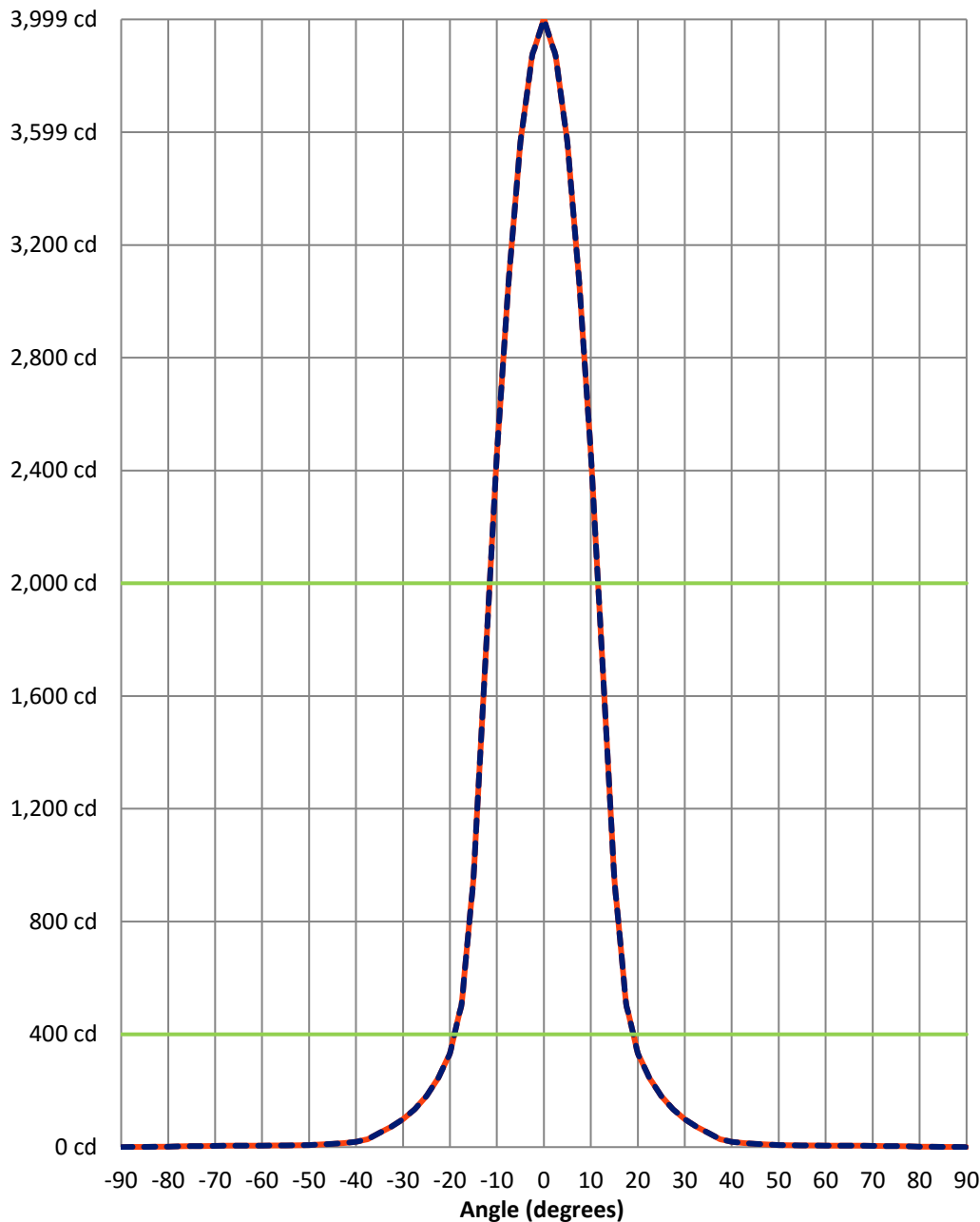
REPORT NUMBER: P220381 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-M-WT-L1-UNV

Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
H Angle: 23.1°
V Angle: 23.1°
Lumens: 372.6
Efficiency: 50.9%

Field:
H Angle: 38.1°
V Angle: 38.1°
Lumens: 572.9
Efficiency: 78.3%

Spill:
Lumens: 158.5
Efficiency: 21.7%

- Vertical Distribution through 0-Deg
- - Horizontal Distribution through 0-Deg



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3
85°	0.0	0.1	0.1	0.2	0.2	0.3	0.4	0.4	0.5	0.5	0.6
82.5°	0.0	0.1	0.2	0.3	0.4	0.5	0.5	0.6	0.7	0.7	0.7
80°	0.0	0.1	0.2	0.4	0.5	0.6	0.7	0.7	0.7	0.7	0.7
77.5°	0.0	0.2	0.3	0.5	0.6	0.7	0.7	0.7	0.7	0.7	0.8
75°	0.0	0.2	0.4	0.5	0.7	0.7	0.7	0.7	0.7	0.9	1.1
72.5°	0.0	0.2	0.4	0.6	0.7	0.7	0.7	0.8	1.0	1.2	1.3
70°	0.0	0.2	0.5	0.7	0.7	0.7	0.7	1.0	1.2	1.4	1.4
67.5°	0.0	0.3	0.5	0.7	0.7	0.7	0.9	1.2	1.4	1.4	1.4
65°	0.0	0.3	0.6	0.7	0.7	0.8	1.1	1.3	1.4	1.4	1.6
62.5°	0.0	0.3	0.6	0.7	0.7	0.9	1.2	1.4	1.4	1.5	2.2
60°	0.0	0.3	0.7	0.7	0.7	1.0	1.4	1.4	1.4	2.0	2.7
57.5°	0.0	0.4	0.7	0.7	0.8	1.2	1.4	1.4	1.8	2.5	3.1
55°	0.0	0.4	0.7	0.7	0.9	1.3	1.4	1.4	2.2	3.0	3.3
52.5°	0.0	0.4	0.7	0.7	1.0	1.4	1.4	1.7	2.6	3.2	3.6
50°	0.0	0.4	0.7	0.7	1.1	1.4	1.4	2.1	3.0	3.4	3.6
47.5°	0.0	0.5	0.7	0.7	1.2	1.4	1.4	2.4	3.1	3.6	3.6
45°	0.0	0.5	0.7	0.8	1.3	1.4	1.7	2.8	3.3	3.6	3.6
42.5°	0.0	0.5	0.7	0.8	1.4	1.4	2.0	3.0	3.5	3.6	3.8
40°	0.0	0.5	0.7	0.9	1.4	1.4	2.3	3.1	3.6	3.6	4.0
37.5°	0.0	0.6	0.7	1.0	1.4	1.4	2.5	3.3	3.6	3.6	4.2
35°	0.0	0.6	0.7	1.0	1.4	1.5	2.7	3.4	3.6	3.8	4.4
32.5°	0.0	0.6	0.7	1.1	1.4	1.7	2.9	3.5	3.6	4.0	4.6
30°	0.0	0.6	0.7	1.1	1.4	1.9	3.0	3.6	3.6	4.1	4.8
27.5°	0.0	0.6	0.7	1.2	1.4	2.0	3.1	3.6	3.6	4.3	4.9
25°	0.0	0.6	0.7	1.2	1.4	2.2	3.2	3.6	3.8	4.4	5.1
22.5°	0.0	0.6	0.7	1.2	1.4	2.3	3.3	3.6	3.9	4.5	5.1
20°	0.0	0.7	0.7	1.3	1.4	2.4	3.3	3.6	3.9	4.6	5.1
17.5°	0.0	0.7	0.7	1.3	1.4	2.5	3.4	3.6	4.0	4.7	5.1
15°	0.0	0.7	0.7	1.3	1.4	2.6	3.5	3.6	4.1	4.8	5.1
12.5°	0.0	0.7	0.7	1.3	1.4	2.7	3.5	3.6	4.2	4.9	5.1
10°	0.0	0.7	0.7	1.4	1.4	2.8	3.5	3.6	4.2	5.0	5.1
7.5°	0.0	0.7	0.7	1.4	1.4	2.8	3.6	3.6	4.3	5.0	5.1
5°	0.0	0.7	0.7	1.4	1.4	2.9	3.6	3.6	4.3	5.1	5.1
2.5°	0.0	0.7	0.7	1.4	1.4	2.9	3.6	3.6	4.3	5.1	5.1
0°	0.0	0.7	0.7	1.4	1.4	2.9	3.6	3.6	4.3	5.1	5.1
-2.5°	0.0	0.7	0.7	1.4	1.4	2.9	3.6	3.6	4.3	5.1	5.1
-5°	0.0	0.7	0.7	1.4	1.4	2.9	3.6	3.6	4.3	5.1	5.1
-7.5°	0.0	0.7	0.7	1.4	1.4	2.8	3.6	3.6	4.3	5.0	5.1
-10°	0.0	0.7	0.7	1.4	1.4	2.8	3.5	3.6	4.2	5.0	5.1
-12.5°	0.0	0.7	0.7	1.3	1.4	2.7	3.5	3.6	4.2	4.9	5.1
-15°	0.0	0.7	0.7	1.3	1.4	2.6	3.5	3.6	4.1	4.8	5.1
-17.5°	0.0	0.7	0.7	1.3	1.4	2.5	3.4	3.6	4.0	4.7	5.1
-20°	0.0	0.7	0.7	1.3	1.4	2.4	3.3	3.6	3.9	4.6	5.1



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	0.6	0.7	1.2	1.4	2.3	3.3	3.6	3.9	4.5	5.1
-25°	0.0	0.6	0.7	1.2	1.4	2.2	3.2	3.6	3.8	4.4	5.1
-27.5°	0.0	0.6	0.7	1.2	1.4	2.0	3.1	3.6	3.6	4.3	4.9
-30°	0.0	0.6	0.7	1.1	1.4	1.9	3.0	3.6	3.6	4.1	4.8
-32.5°	0.0	0.6	0.7	1.1	1.4	1.7	2.9	3.5	3.6	4.0	4.6
-35°	0.0	0.6	0.7	1.0	1.4	1.5	2.7	3.4	3.6	3.8	4.4
-37.5°	0.0	0.6	0.7	1.0	1.4	1.4	2.5	3.3	3.6	3.6	4.2
-40°	0.0	0.5	0.7	0.9	1.4	1.4	2.3	3.1	3.6	3.6	4.0
-42.5°	0.0	0.5	0.7	0.8	1.4	1.4	2.0	3.0	3.5	3.6	3.8
-45°	0.0	0.5	0.7	0.8	1.3	1.4	1.7	2.8	3.3	3.6	3.6
-47.5°	0.0	0.5	0.7	0.7	1.2	1.4	1.4	2.4	3.1	3.6	3.6
-50°	0.0	0.4	0.7	0.7	1.1	1.4	1.4	2.1	3.0	3.4	3.6
-52.5°	0.0	0.4	0.7	0.7	1.0	1.4	1.4	1.7	2.6	3.2	3.6
-55°	0.0	0.4	0.7	0.7	0.9	1.3	1.4	1.4	2.2	3.0	3.3
-57.5°	0.0	0.4	0.7	0.7	0.8	1.2	1.4	1.4	1.8	2.5	3.1
-60°	0.0	0.3	0.7	0.7	0.7	1.0	1.4	1.4	1.4	2.0	2.7
-62.5°	0.0	0.3	0.6	0.7	0.7	0.9	1.2	1.4	1.4	1.5	2.2
-65°	0.0	0.3	0.6	0.7	0.7	0.8	1.1	1.3	1.4	1.4	1.6
-67.5°	0.0	0.3	0.5	0.7	0.7	0.7	0.9	1.2	1.4	1.4	1.4
-70°	0.0	0.2	0.5	0.7	0.7	0.7	0.7	1.0	1.2	1.4	1.4
-72.5°	0.0	0.2	0.4	0.6	0.7	0.7	0.7	0.8	1.0	1.2	1.3
-75°	0.0	0.2	0.4	0.5	0.7	0.7	0.7	0.7	0.7	0.9	1.1
-77.5°	0.0	0.2	0.3	0.5	0.6	0.7	0.7	0.7	0.7	0.7	0.8
-80°	0.0	0.1	0.2	0.4	0.5	0.6	0.7	0.7	0.7	0.7	0.7
-82.5°	0.0	0.1	0.2	0.3	0.4	0.5	0.5	0.6	0.7	0.7	0.7
-85°	0.0	0.1	0.1	0.2	0.2	0.3	0.4	0.4	0.5	0.5	0.6
-87.5°	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6
85°	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
82.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.9	1.0
80°	0.7	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.4	1.4
77.5°	0.9	1.0	1.2	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4
75°	1.2	1.4	1.4	1.4	1.4	1.4	1.4	1.7	2.0	2.3	2.5
72.5°	1.4	1.4	1.4	1.4	1.7	2.1	2.4	2.8	3.0	3.1	3.3
70°	1.4	1.4	1.8	2.2	2.6	3.0	3.1	3.3	3.5	3.6	3.6
67.5°	1.5	2.0	2.5	3.0	3.2	3.4	3.6	3.6	3.6	3.6	3.6
65°	2.2	2.7	3.1	3.3	3.6	3.6	3.6	3.6	3.8	4.0	4.2
62.5°	2.8	3.1	3.4	3.6	3.6	3.6	3.8	4.0	4.3	4.5	4.8
60°	3.1	3.5	3.6	3.6	3.7	3.9	4.2	4.5	4.8	5.1	5.1
57.5°	3.4	3.6	3.6	3.7	4.0	4.4	4.7	5.0	5.1	5.1	5.1
55°	3.6	3.6	3.7	4.1	4.4	4.8	5.1	5.1	5.1	5.1	5.1
52.5°	3.6	3.7	4.0	4.4	4.9	5.1	5.1	5.1	5.1	5.1	5.1
50°	3.6	3.9	4.4	4.8	5.1	5.1	5.1	5.1	5.1	5.1	5.3
47.5°	3.8	4.2	4.7	5.1	5.1	5.1	5.1	5.1	5.1	5.4	5.8
45°	4.0	4.5	5.0	5.1	5.1	5.1	5.1	5.1	5.5	5.8	5.8
42.5°	4.3	4.8	5.1	5.1	5.1	5.1	5.1	5.5	5.8	5.8	6.0
40°	4.5	5.1	5.1	5.1	5.1	5.1	5.4	5.8	5.8	6.1	6.5
37.5°	4.8	5.1	5.1	5.1	5.1	5.3	5.8	5.8	6.0	6.5	6.9
35°	5.0	5.1	5.1	5.1	5.1	5.6	5.8	5.9	6.4	6.9	7.7
32.5°	5.1	5.1	5.1	5.1	5.3	5.8	5.8	6.3	6.8	7.4	9.0
30°	5.1	5.1	5.1	5.1	5.6	5.8	6.0	6.6	7.1	8.6	10.2
27.5°	5.1	5.1	5.1	5.3	5.8	5.8	6.3	6.9	7.9	9.7	11.3
25°	5.1	5.1	5.1	5.5	5.8	6.0	6.6	7.2	8.9	10.6	12.6
22.5°	5.1	5.1	5.1	5.7	5.8	6.2	6.8	7.9	9.8	11.6	14.0
20°	5.1	5.1	5.2	5.8	5.8	6.4	7.0	8.6	10.5	12.7	15.6
17.5°	5.1	5.1	5.3	5.8	5.9	6.6	7.3	9.3	11.2	13.7	17.3
15°	5.1	5.1	5.5	5.8	6.1	6.7	7.8	9.9	12.0	14.8	18.9
12.5°	5.1	5.1	5.6	5.8	6.2	6.9	8.3	10.4	12.7	16.0	21.6
10°	5.1	5.1	5.6	5.8	6.3	7.0	8.7	10.8	13.3	17.0	23.9
7.5°	5.1	5.1	5.7	5.8	6.4	7.1	9.0	11.1	13.8	17.8	25.7
5°	5.1	5.1	5.8	5.8	6.5	7.1	9.2	11.3	14.1	18.3	27.0
2.5°	5.1	5.1	5.8	5.8	6.5	7.2	9.4	11.5	14.3	18.7	27.8
0°	5.1	5.1	5.8	5.8	6.5	7.2	9.4	11.5	14.4	18.8	28.1
-2.5°	5.1	5.1	5.8	5.8	6.5	7.2	9.4	11.5	14.3	18.7	27.8
-5°	5.1	5.1	5.8	5.8	6.5	7.1	9.2	11.3	14.1	18.3	27.0
-7.5°	5.1	5.1	5.7	5.8	6.4	7.1	9.0	11.1	13.8	17.8	25.7
-10°	5.1	5.1	5.6	5.8	6.3	7.0	8.7	10.8	13.3	17.0	23.9
-12.5°	5.1	5.1	5.6	5.8	6.2	6.9	8.3	10.4	12.7	16.0	21.6
-15°	5.1	5.1	5.5	5.8	6.1	6.7	7.8	9.9	12.0	14.8	18.9
-17.5°	5.1	5.1	5.3	5.8	5.9	6.6	7.3	9.3	11.2	13.7	17.3
-20°	5.1	5.1	5.2	5.8	5.8	6.4	7.0	8.6	10.5	12.7	15.6



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	5.1	5.1	5.1	5.7	5.8	6.2	6.8	7.9	9.8	11.6	14.0
-25°	5.1	5.1	5.1	5.5	5.8	6.0	6.6	7.2	8.9	10.6	12.6
-27.5°	5.1	5.1	5.1	5.3	5.8	5.8	6.3	6.9	7.9	9.7	11.3
-30°	5.1	5.1	5.1	5.1	5.6	5.8	6.0	6.6	7.1	8.6	10.2
-32.5°	5.1	5.1	5.1	5.1	5.3	5.8	5.8	6.3	6.8	7.4	9.0
-35°	5.0	5.1	5.1	5.1	5.1	5.6	5.8	5.9	6.4	6.9	7.7
-37.5°	4.8	5.1	5.1	5.1	5.1	5.3	5.8	5.8	6.0	6.5	6.9
-40°	4.5	5.1	5.1	5.1	5.1	5.1	5.4	5.8	5.8	6.1	6.5
-42.5°	4.3	4.8	5.1	5.1	5.1	5.1	5.1	5.5	5.8	5.8	6.0
-45°	4.0	4.5	5.0	5.1	5.1	5.1	5.1	5.1	5.5	5.8	5.8
-47.5°	3.8	4.2	4.7	5.1	5.1	5.1	5.1	5.1	5.1	5.4	5.8
-50°	3.6	3.9	4.4	4.8	5.1	5.1	5.1	5.1	5.1	5.1	5.3
-52.5°	3.6	3.7	4.0	4.4	4.9	5.1	5.1	5.1	5.1	5.1	5.1
-55°	3.6	3.6	3.7	4.1	4.4	4.8	5.1	5.1	5.1	5.1	5.1
-57.5°	3.4	3.6	3.6	3.7	4.0	4.4	4.7	5.0	5.1	5.1	5.1
-60°	3.1	3.5	3.6	3.6	3.7	3.9	4.2	4.5	4.8	5.1	5.1
-62.5°	2.8	3.1	3.4	3.6	3.6	3.6	3.8	4.0	4.3	4.5	4.8
-65°	2.2	2.7	3.1	3.3	3.6	3.6	3.6	3.6	3.8	4.0	4.2
-67.5°	1.5	2.0	2.5	3.0	3.2	3.4	3.6	3.6	3.6	3.6	3.6
-70°	1.4	1.4	1.8	2.2	2.6	3.0	3.1	3.3	3.5	3.6	3.6
-72.5°	1.4	1.4	1.4	1.4	1.7	2.1	2.4	2.8	3.0	3.1	3.3
-75°	1.2	1.4	1.4	1.4	1.4	1.4	1.4	1.7	2.0	2.3	2.5
-77.5°	0.9	1.0	1.2	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4
-80°	0.7	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.4	1.4
-82.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.9	1.0
-85°	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
-87.5°	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7
85°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
82.5°	1.0	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.4
80°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
77.5°	1.5	1.7	1.9	2.0	2.2	2.3	2.4	2.5	2.6	2.7	2.8
75°	2.7	2.9	3.0	3.1	3.2	3.3	3.3	3.4	3.5	3.5	3.5
72.5°	3.4	3.5	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
70°	3.6	3.6	3.6	3.6	3.8	3.9	3.9	4.0	4.1	4.2	4.2
67.5°	3.8	4.0	4.1	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0
65°	4.4	4.6	4.8	4.9	5.1	5.1	5.1	5.1	5.1	5.1	5.1
62.5°	5.0	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
60°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
57.5°	5.1	5.1	5.1	5.1	5.1	5.1	5.2	5.3	5.5	5.6	5.6
55°	5.1	5.1	5.1	5.3	5.5	5.7	5.8	5.8	5.8	5.8	5.8
52.5°	5.1	5.3	5.6	5.8	5.8	5.8	5.8	5.9	6.1	6.2	6.3
50°	5.6	5.8	5.8	5.8	6.0	6.2	6.4	6.6	6.7	6.9	7.0
47.5°	5.8	5.8	6.0	6.3	6.6	6.8	7.0	7.3	7.8	8.3	8.7
45°	5.9	6.3	6.6	6.9	7.2	7.9	8.6	9.3	9.9	10.4	10.8
42.5°	6.4	6.8	7.1	7.9	8.9	9.8	10.5	11.2	12.0	12.7	13.3
40°	6.9	7.4	8.6	9.7	10.6	11.6	12.7	13.7	14.8	16.0	17.0
37.5°	7.7	9.0	10.2	11.3	12.6	14.0	15.6	17.3	18.9	21.6	23.9
35°	9.1	10.4	11.7	13.4	15.2	17.4	20.0	23.9	27.4	33.5	39.5
32.5°	10.4	11.9	13.7	16.0	18.5	23.2	27.8	37.5	46.5	54.2	60.6
30°	11.7	13.7	16.3	19.5	25.2	33.8	45.7	56.4	65.9	74.6	83.1
27.5°	13.4	16.0	19.5	25.8	37.1	50.8	63.2	75.1	87.8	98.9	110.2
25°	15.2	18.5	25.2	37.1	52.4	66.6	81.7	96.9	113.3	130.0	145.7
22.5°	17.4	23.2	33.8	50.8	66.6	84.0	102.1	123.1	145.4	169.0	193.4
20°	20.0	27.8	45.7	63.2	81.7	102.1	126.4	154.1	185.8	220.5	252.7
17.5°	23.9	37.5	56.4	75.1	96.9	123.1	154.1	192.4	234.6	283.7	330.0
15°	27.4	46.5	65.9	87.8	113.3	145.4	185.8	234.6	294.3	361.3	459.3
12.5°	33.5	54.2	74.6	98.9	130.0	169.0	220.5	283.7	361.3	497.9	736.8
10°	39.5	60.6	83.1	110.2	145.7	193.4	252.7	330.0	459.3	736.8	1202.8
7.5°	44.3	65.6	89.9	120.1	159.6	215.3	286.7	383.7	607.5	1079.2	1717.0
5°	47.7	69.2	94.9	127.6	171.4	231.4	311.9	442.5	773.8	1407.0	2126.0
2.5°	49.8	71.5	97.9	132.6	178.7	241.3	327.4	490.9	906.5	1631.2	2373.6
0°	50.5	72.2	98.9	134.3	181.1	244.6	332.7	509.5	951.9	1709.6	2459.4
-2.5°	49.8	71.5	97.9	132.6	178.7	241.3	327.4	490.9	906.5	1631.2	2373.6
-5°	47.7	69.2	94.9	127.6	171.4	231.4	311.9	442.5	773.8	1407.0	2126.0
-7.5°	44.3	65.6	89.9	120.1	159.6	215.3	286.7	383.7	607.5	1079.2	1717.0
-10°	39.5	60.6	83.1	110.2	145.7	193.4	252.7	330.0	459.3	736.8	1202.8
-12.5°	33.5	54.2	74.6	98.9	130.0	169.0	220.5	283.7	361.3	497.9	736.8
-15°	27.4	46.5	65.9	87.8	113.3	145.4	185.8	234.6	294.3	361.3	459.3
-17.5°	23.9	37.5	56.4	75.1	96.9	123.1	154.1	192.4	234.6	283.7	330.0
-20°	20.0	27.8	45.7	63.2	81.7	102.1	126.4	154.1	185.8	220.5	252.7



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	17.4	23.2	33.8	50.8	66.6	84.0	102.1	123.1	145.4	169.0	193.4
-25°	15.2	18.5	25.2	37.1	52.4	66.6	81.7	96.9	113.3	130.0	145.7
-27.5°	13.4	16.0	19.5	25.8	37.1	50.8	63.2	75.1	87.8	98.9	110.2
-30°	11.7	13.7	16.3	19.5	25.2	33.8	45.7	56.4	65.9	74.6	83.1
-32.5°	10.4	11.9	13.7	16.0	18.5	23.2	27.8	37.5	46.5	54.2	60.6
-35°	9.1	10.4	11.7	13.4	15.2	17.4	20.0	23.9	27.4	33.5	39.5
-37.5°	7.7	9.0	10.2	11.3	12.6	14.0	15.6	17.3	18.9	21.6	23.9
-40°	6.9	7.4	8.6	9.7	10.6	11.6	12.7	13.7	14.8	16.0	17.0
-42.5°	6.4	6.8	7.1	7.9	8.9	9.8	10.5	11.2	12.0	12.7	13.3
-45°	5.9	6.3	6.6	6.9	7.2	7.9	8.6	9.3	9.9	10.4	10.8
-47.5°	5.8	5.8	6.0	6.3	6.6	6.8	7.0	7.3	7.8	8.3	8.7
-50°	5.6	5.8	5.8	5.8	6.0	6.2	6.4	6.6	6.7	6.9	7.0
-52.5°	5.1	5.3	5.6	5.8	5.8	5.8	5.8	5.9	6.1	6.2	6.3
-55°	5.1	5.1	5.1	5.3	5.5	5.7	5.8	5.8	5.8	5.8	5.8
-57.5°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.2	5.3	5.5	5.6
-60°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
-62.5°	5.0	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
-65°	4.4	4.6	4.8	4.9	5.1	5.1	5.1	5.1	5.1	5.1	5.1
-67.5°	3.8	4.0	4.1	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0
-70°	3.6	3.6	3.6	3.6	3.8	3.9	3.9	4.0	4.1	4.2	4.2
-72.5°	3.4	3.5	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
-75°	2.7	2.9	3.0	3.1	3.2	3.3	3.3	3.4	3.5	3.5	3.5
-77.5°	1.5	1.7	1.9	2.0	2.2	2.3	2.4	2.5	2.6	2.7	2.8
-80°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
-82.5°	1.0	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.4
-85°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
-87.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
85°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
82.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3
80°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
77.5°	2.8	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.7	2.6	2.5
75°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.5	3.5	3.5	3.4
72.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
70°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.2	4.2	4.1	4.0
67.5°	5.0	5.1	5.1	5.1	5.1	5.1	5.0	5.0	4.9	4.8	4.7
65°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
62.5°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
60°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
57.5°	5.7	5.8	5.8	5.8	5.8	5.8	5.7	5.6	5.6	5.5	5.3
55°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
52.5°	6.4	6.5	6.5	6.5	6.5	6.5	6.4	6.3	6.2	6.1	5.9
50°	7.1	7.1	7.2	7.2	7.2	7.1	7.1	7.0	6.9	6.7	6.6
47.5°	9.0	9.2	9.4	9.4	9.4	9.2	9.0	8.7	8.3	7.8	7.3
45°	11.1	11.3	11.5	11.5	11.5	11.3	11.1	10.8	10.4	9.9	9.3
42.5°	13.8	14.1	14.3	14.4	14.3	14.1	13.8	13.3	12.7	12.0	11.2
40°	17.8	18.3	18.7	18.8	18.7	18.3	17.8	17.0	16.0	14.8	13.7
37.5°	25.7	27.0	27.8	28.1	27.8	27.0	25.7	23.9	21.6	18.9	17.3
35°	44.3	47.7	49.8	50.5	49.8	47.7	44.3	39.5	33.5	27.4	23.9
32.5°	65.6	69.2	71.5	72.2	71.5	69.2	65.6	60.6	54.2	46.5	37.5
30°	89.9	94.9	97.9	98.9	97.9	94.9	89.9	83.1	74.6	65.9	56.4
27.5°	120.1	127.6	132.6	134.3	132.6	127.6	120.1	110.2	98.9	87.8	75.1
25°	159.6	171.4	178.7	181.1	178.7	171.4	159.6	145.7	130.0	113.3	96.9
22.5°	215.3	231.4	241.3	244.6	241.3	231.4	215.3	193.4	169.0	145.4	123.1
20°	286.7	311.9	327.4	332.7	327.4	311.9	286.7	252.7	220.5	185.8	154.1
17.5°	383.7	442.5	490.9	509.5	490.9	442.5	383.7	330.0	283.7	234.6	192.4
15°	607.5	773.8	906.5	951.9	906.5	773.8	607.5	459.3	361.3	294.3	234.6
12.5°	1079.2	1407.0	1631.2	1709.6	1631.2	1407.0	1079.2	736.8	497.9	361.3	283.7
10°	1717.0	2126.0	2373.6	2459.4	2373.6	2126.0	1717.0	1202.8	736.8	459.3	330.0
7.5°	2292.9	2716.2	2981.3	3072.4	2981.3	2716.2	2292.9	1717.0	1079.2	607.5	383.7
5°	2716.2	3170.3	3458.1	3563.5	3458.1	3170.3	2716.2	2126.0	1407.0	773.8	442.5
2.5°	2981.3	3458.1	3766.9	3870.6	3766.9	3458.1	2981.3	2373.6	1631.2	906.5	490.9
0°	3072.4	3563.5	3870.6	3999.4	3870.6	3563.5	3072.4	2459.4	1709.6	951.9	509.5
-2.5°	2981.3	3458.1	3766.9	3870.6	3766.9	3458.1	2981.3	2373.6	1631.2	906.5	490.9
-5°	2716.2	3170.3	3458.1	3563.5	3458.1	3170.3	2716.2	2126.0	1407.0	773.8	442.5
-7.5°	2292.9	2716.2	2981.3	3072.4	2981.3	2716.2	2292.9	1717.0	1079.2	607.5	383.7
-10°	1717.0	2126.0	2373.6	2459.4	2373.6	2126.0	1717.0	1202.8	736.8	459.3	330.0
-12.5°	1079.2	1407.0	1631.2	1709.6	1631.2	1407.0	1079.2	736.8	497.9	361.3	283.7
-15°	607.5	773.8	906.5	951.9	906.5	773.8	607.5	459.3	361.3	294.3	234.6
-17.5°	383.7	442.5	490.9	509.5	490.9	442.5	383.7	330.0	283.7	234.6	192.4
-20°	286.7	311.9	327.4	332.7	327.4	311.9	286.7	252.7	220.5	185.8	154.1



REPORT NUMBER: P220381 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	215.3	231.4	241.3	244.6	241.3	231.4	215.3	193.4	169.0	145.4	123.1
-25°	159.6	171.4	178.7	181.1	178.7	171.4	159.6	145.7	130.0	113.3	96.9
-27.5°	120.1	127.6	132.6	134.3	132.6	127.6	120.1	110.2	98.9	87.8	75.1
-30°	89.9	94.9	97.9	98.9	97.9	94.9	89.9	83.1	74.6	65.9	56.4
-32.5°	65.6	69.2	71.5	72.2	71.5	69.2	65.6	60.6	54.2	46.5	37.5
-35°	44.3	47.7	49.8	50.5	49.8	47.7	44.3	39.5	33.5	27.4	23.9
-37.5°	25.7	27.0	27.8	28.1	27.8	27.0	25.7	23.9	21.6	18.9	17.3
-40°	17.8	18.3	18.7	18.8	18.7	18.3	17.8	17.0	16.0	14.8	13.7
-42.5°	13.8	14.1	14.3	14.4	14.3	14.1	13.8	13.3	12.7	12.0	11.2
-45°	11.1	11.3	11.5	11.5	11.5	11.3	11.1	10.8	10.4	9.9	9.3
-47.5°	9.0	9.2	9.4	9.4	9.4	9.2	9.0	8.7	8.3	7.8	7.3
-50°	7.1	7.1	7.2	7.2	7.2	7.1	7.1	7.0	6.9	6.7	6.6
-52.5°	6.4	6.5	6.5	6.5	6.5	6.5	6.4	6.3	6.2	6.1	5.9
-55°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
-57.5°	5.7	5.8	5.8	5.8	5.8	5.8	5.7	5.6	5.6	5.5	5.3
-60°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
-62.5°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
-65°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
-67.5°	5.0	5.1	5.1	5.1	5.1	5.1	5.0	5.0	4.9	4.8	4.7
-70°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.2	4.2	4.1	4.0
-72.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
-75°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.5	3.5	3.5	3.4
-77.5°	2.8	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.7	2.6	2.5
-80°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
-82.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3
-85°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
-87.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5
85°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
82.5°	1.3	1.2	1.2	1.2	1.1	1.1	1.0	1.0	0.9	0.8	0.8
80°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3
77.5°	2.4	2.3	2.2	2.0	1.9	1.7	1.5	1.4	1.4	1.4	1.4
75°	3.3	3.3	3.2	3.1	3.0	2.9	2.7	2.5	2.3	2.0	1.7
72.5°	3.6	3.6	3.6	3.6	3.6	3.5	3.4	3.3	3.1	3.0	2.8
70°	3.9	3.9	3.8	3.6	3.6	3.6	3.6	3.6	3.6	3.5	3.3
67.5°	4.6	4.5	4.4	4.3	4.1	4.0	3.8	3.6	3.6	3.6	3.6
65°	5.1	5.1	5.1	4.9	4.8	4.6	4.4	4.2	4.0	3.8	3.6
62.5°	5.1	5.1	5.1	5.1	5.1	5.1	5.0	4.8	4.5	4.3	4.0
60°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	4.8	4.5
57.5°	5.2	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.0
55°	5.8	5.7	5.5	5.3	5.1	5.1	5.1	5.1	5.1	5.1	5.1
52.5°	5.8	5.8	5.8	5.8	5.6	5.3	5.1	5.1	5.1	5.1	5.1
50°	6.4	6.2	6.0	5.8	5.8	5.8	5.6	5.3	5.1	5.1	5.1
47.5°	7.0	6.8	6.6	6.3	6.0	5.8	5.8	5.8	5.4	5.1	5.1
45°	8.6	7.9	7.2	6.9	6.6	6.3	5.9	5.8	5.8	5.5	5.1
42.5°	10.5	9.8	8.9	7.9	7.1	6.8	6.4	6.0	5.8	5.8	5.5
40°	12.7	11.6	10.6	9.7	8.6	7.4	6.9	6.5	6.1	5.8	5.8
37.5°	15.6	14.0	12.6	11.3	10.2	9.0	7.7	6.9	6.5	6.0	5.8
35°	20.0	17.4	15.2	13.4	11.7	10.4	9.1	7.7	6.9	6.4	5.9
32.5°	27.8	23.2	18.5	16.0	13.7	11.9	10.4	9.0	7.4	6.8	6.3
30°	45.7	33.8	25.2	19.5	16.3	13.7	11.7	10.2	8.6	7.1	6.6
27.5°	63.2	50.8	37.1	25.8	19.5	16.0	13.4	11.3	9.7	7.9	6.9
25°	81.7	66.6	52.4	37.1	25.2	18.5	15.2	12.6	10.6	8.9	7.2
22.5°	102.1	84.0	66.6	50.8	33.8	23.2	17.4	14.0	11.6	9.8	7.9
20°	126.4	102.1	81.7	63.2	45.7	27.8	20.0	15.6	12.7	10.5	8.6
17.5°	154.1	123.1	96.9	75.1	56.4	37.5	23.9	17.3	13.7	11.2	9.3
15°	185.8	145.4	113.3	87.8	65.9	46.5	27.4	18.9	14.8	12.0	9.9
12.5°	220.5	169.0	130.0	98.9	74.6	54.2	33.5	21.6	16.0	12.7	10.4
10°	252.7	193.4	145.7	110.2	83.1	60.6	39.5	23.9	17.0	13.3	10.8
7.5°	286.7	215.3	159.6	120.1	89.9	65.6	44.3	25.7	17.8	13.8	11.1
5°	311.9	231.4	171.4	127.6	94.9	69.2	47.7	27.0	18.3	14.1	11.3
2.5°	327.4	241.3	178.7	132.6	97.9	71.5	49.8	27.8	18.7	14.3	11.5
0°	332.7	244.6	181.1	134.3	98.9	72.2	50.5	28.1	18.8	14.4	11.5
-2.5°	327.4	241.3	178.7	132.6	97.9	71.5	49.8	27.8	18.7	14.3	11.5
-5°	311.9	231.4	171.4	127.6	94.9	69.2	47.7	27.0	18.3	14.1	11.3
-7.5°	286.7	215.3	159.6	120.1	89.9	65.6	44.3	25.7	17.8	13.8	11.1
-10°	252.7	193.4	145.7	110.2	83.1	60.6	39.5	23.9	17.0	13.3	10.8
-12.5°	220.5	169.0	130.0	98.9	74.6	54.2	33.5	21.6	16.0	12.7	10.4
-15°	185.8	145.4	113.3	87.8	65.9	46.5	27.4	18.9	14.8	12.0	9.9
-17.5°	154.1	123.1	96.9	75.1	56.4	37.5	23.9	17.3	13.7	11.2	9.3
-20°	126.4	102.1	81.7	63.2	45.7	27.8	20.0	15.6	12.7	10.5	8.6



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	102.1	84.0	66.6	50.8	33.8	23.2	17.4	14.0	11.6	9.8	7.9
-25°	81.7	66.6	52.4	37.1	25.2	18.5	15.2	12.6	10.6	8.9	7.2
-27.5°	63.2	50.8	37.1	25.8	19.5	16.0	13.4	11.3	9.7	7.9	6.9
-30°	45.7	33.8	25.2	19.5	16.3	13.7	11.7	10.2	8.6	7.1	6.6
-32.5°	27.8	23.2	18.5	16.0	13.7	11.9	10.4	9.0	7.4	6.8	6.3
-35°	20.0	17.4	15.2	13.4	11.7	10.4	9.1	7.7	6.9	6.4	5.9
-37.5°	15.6	14.0	12.6	11.3	10.2	9.0	7.7	6.9	6.5	6.0	5.8
-40°	12.7	11.6	10.6	9.7	8.6	7.4	6.9	6.5	6.1	5.8	5.8
-42.5°	10.5	9.8	8.9	7.9	7.1	6.8	6.4	6.0	5.8	5.8	5.5
-45°	8.6	7.9	7.2	6.9	6.6	6.3	5.9	5.8	5.8	5.5	5.1
-47.5°	7.0	6.8	6.6	6.3	6.0	5.8	5.8	5.8	5.4	5.1	5.1
-50°	6.4	6.2	6.0	5.8	5.8	5.8	5.6	5.3	5.1	5.1	5.1
-52.5°	5.8	5.8	5.8	5.8	5.6	5.3	5.1	5.1	5.1	5.1	5.1
-55°	5.8	5.7	5.5	5.3	5.1	5.1	5.1	5.1	5.1	5.1	5.1
-57.5°	5.2	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.0
-60°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	4.8	4.5
-62.5°	5.1	5.1	5.1	5.1	5.1	5.1	5.0	4.8	4.5	4.3	4.0
-65°	5.1	5.1	5.1	4.9	4.8	4.6	4.4	4.2	4.0	3.8	3.6
-67.5°	4.6	4.5	4.4	4.3	4.1	4.0	3.8	3.6	3.6	3.6	3.6
-70°	3.9	3.9	3.8	3.6	3.6	3.6	3.6	3.6	3.6	3.5	3.3
-72.5°	3.6	3.6	3.6	3.6	3.6	3.5	3.4	3.3	3.1	3.0	2.8
-75°	3.3	3.3	3.2	3.1	3.0	2.9	2.7	2.5	2.3	2.0	1.7
-77.5°	2.4	2.3	2.2	2.0	1.9	1.7	1.5	1.4	1.4	1.4	1.4
-80°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3
-82.5°	1.3	1.2	1.2	1.2	1.1	1.1	1.0	1.0	0.9	0.8	0.8
-85°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
-87.5°	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.5	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.2	0.2
85°	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.5	0.5	0.4
82.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6
80°	1.2	1.1	1.0	0.9	0.8	0.7	0.7	0.7	0.7	0.7	0.7
77.5°	1.4	1.4	1.4	1.3	1.2	1.0	0.9	0.8	0.7	0.7	0.7
75°	1.4	1.4	1.4	1.4	1.4	1.4	1.2	1.1	0.9	0.7	0.7
72.5°	2.4	2.1	1.7	1.4	1.4	1.4	1.4	1.3	1.2	1.0	0.8
70°	3.1	3.0	2.6	2.2	1.8	1.4	1.4	1.4	1.4	1.2	1.0
67.5°	3.6	3.4	3.2	3.0	2.5	2.0	1.5	1.4	1.4	1.4	1.2
65°	3.6	3.6	3.6	3.3	3.1	2.7	2.2	1.6	1.4	1.4	1.3
62.5°	3.8	3.6	3.6	3.6	3.4	3.1	2.8	2.2	1.5	1.4	1.4
60°	4.2	3.9	3.7	3.6	3.6	3.5	3.1	2.7	2.0	1.4	1.4
57.5°	4.7	4.4	4.0	3.7	3.6	3.6	3.4	3.1	2.5	1.8	1.4
55°	5.1	4.8	4.4	4.1	3.7	3.6	3.6	3.3	3.0	2.2	1.4
52.5°	5.1	5.1	4.9	4.4	4.0	3.7	3.6	3.6	3.2	2.6	1.7
50°	5.1	5.1	5.1	4.8	4.4	3.9	3.6	3.6	3.4	3.0	2.1
47.5°	5.1	5.1	5.1	5.1	4.7	4.2	3.8	3.6	3.6	3.1	2.4
45°	5.1	5.1	5.1	5.1	5.0	4.5	4.0	3.6	3.6	3.3	2.8
42.5°	5.1	5.1	5.1	5.1	5.1	4.8	4.3	3.8	3.6	3.5	3.0
40°	5.4	5.1	5.1	5.1	5.1	5.1	4.5	4.0	3.6	3.6	3.1
37.5°	5.8	5.3	5.1	5.1	5.1	5.1	4.8	4.2	3.6	3.6	3.3
35°	5.8	5.6	5.1	5.1	5.1	5.1	5.0	4.4	3.8	3.6	3.4
32.5°	5.8	5.8	5.3	5.1	5.1	5.1	5.1	4.6	4.0	3.6	3.5
30°	6.0	5.8	5.6	5.1	5.1	5.1	5.1	4.8	4.1	3.6	3.6
27.5°	6.3	5.8	5.8	5.3	5.1	5.1	5.1	4.9	4.3	3.6	3.6
25°	6.6	6.0	5.8	5.5	5.1	5.1	5.1	5.1	4.4	3.8	3.6
22.5°	6.8	6.2	5.8	5.7	5.1	5.1	5.1	5.1	4.5	3.9	3.6
20°	7.0	6.4	5.8	5.8	5.2	5.1	5.1	5.1	4.6	3.9	3.6
17.5°	7.3	6.6	5.9	5.8	5.3	5.1	5.1	5.1	4.7	4.0	3.6
15°	7.8	6.7	6.1	5.8	5.5	5.1	5.1	5.1	4.8	4.1	3.6
12.5°	8.3	6.9	6.2	5.8	5.6	5.1	5.1	5.1	4.9	4.2	3.6
10°	8.7	7.0	6.3	5.8	5.6	5.1	5.1	5.1	5.0	4.2	3.6
7.5°	9.0	7.1	6.4	5.8	5.7	5.1	5.1	5.1	5.0	4.3	3.6
5°	9.2	7.1	6.5	5.8	5.8	5.1	5.1	5.1	5.1	4.3	3.6
2.5°	9.4	7.2	6.5	5.8	5.8	5.1	5.1	5.1	5.1	4.3	3.6
0°	9.4	7.2	6.5	5.8	5.8	5.1	5.1	5.1	5.1	4.3	3.6
-2.5°	9.4	7.2	6.5	5.8	5.8	5.1	5.1	5.1	5.1	4.3	3.6
-5°	9.2	7.1	6.5	5.8	5.8	5.1	5.1	5.1	5.1	4.3	3.6
-7.5°	9.0	7.1	6.4	5.8	5.7	5.1	5.1	5.1	5.0	4.3	3.6
-10°	8.7	7.0	6.3	5.8	5.6	5.1	5.1	5.1	5.0	4.2	3.6
-12.5°	8.3	6.9	6.2	5.8	5.6	5.1	5.1	5.1	4.9	4.2	3.6
-15°	7.8	6.7	6.1	5.8	5.5	5.1	5.1	5.1	4.8	4.1	3.6
-17.5°	7.3	6.6	5.9	5.8	5.3	5.1	5.1	5.1	4.7	4.0	3.6
-20°	7.0	6.4	5.8	5.8	5.2	5.1	5.1	5.1	4.6	3.9	3.6



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	6.8	6.2	5.8	5.7	5.1	5.1	5.1	5.1	4.5	3.9	3.6
-25°	6.6	6.0	5.8	5.5	5.1	5.1	5.1	5.1	4.4	3.8	3.6
-27.5°	6.3	5.8	5.8	5.3	5.1	5.1	5.1	4.9	4.3	3.6	3.6
-30°	6.0	5.8	5.6	5.1	5.1	5.1	5.1	4.8	4.1	3.6	3.6
-32.5°	5.8	5.8	5.3	5.1	5.1	5.1	5.1	4.6	4.0	3.6	3.5
-35°	5.8	5.6	5.1	5.1	5.1	5.1	5.0	4.4	3.8	3.6	3.4
-37.5°	5.8	5.3	5.1	5.1	5.1	5.1	4.8	4.2	3.6	3.6	3.3
-40°	5.4	5.1	5.1	5.1	5.1	5.1	4.5	4.0	3.6	3.6	3.1
-42.5°	5.1	5.1	5.1	5.1	5.1	4.8	4.3	3.8	3.6	3.5	3.0
-45°	5.1	5.1	5.1	5.1	5.0	4.5	4.0	3.6	3.6	3.3	2.8
-47.5°	5.1	5.1	5.1	5.1	4.7	4.2	3.8	3.6	3.6	3.1	2.4
-50°	5.1	5.1	5.1	4.8	4.4	3.9	3.6	3.6	3.4	3.0	2.1
-52.5°	5.1	5.1	4.9	4.4	4.0	3.7	3.6	3.6	3.2	2.6	1.7
-55°	5.1	4.8	4.4	4.1	3.7	3.6	3.6	3.3	3.0	2.2	1.4
-57.5°	4.7	4.4	4.0	3.7	3.6	3.6	3.4	3.1	2.5	1.8	1.4
-60°	4.2	3.9	3.7	3.6	3.6	3.5	3.1	2.7	2.0	1.4	1.4
-62.5°	3.8	3.6	3.6	3.6	3.4	3.1	2.8	2.2	1.5	1.4	1.4
-65°	3.6	3.6	3.6	3.3	3.1	2.7	2.2	1.6	1.4	1.4	1.3
-67.5°	3.6	3.4	3.2	3.0	2.5	2.0	1.5	1.4	1.4	1.4	1.2
-70°	3.1	3.0	2.6	2.2	1.8	1.4	1.4	1.4	1.4	1.2	1.0
-72.5°	2.4	2.1	1.7	1.4	1.4	1.4	1.4	1.3	1.2	1.0	0.8
-75°	1.4	1.4	1.4	1.4	1.4	1.4	1.2	1.1	0.9	0.7	0.7
-77.5°	1.4	1.4	1.4	1.3	1.2	1.0	0.9	0.8	0.7	0.7	0.7
-80°	1.2	1.1	1.0	0.9	0.8	0.7	0.7	0.7	0.7	0.7	0.7
-82.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6
-85°	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.5	0.5	0.4
-87.5°	0.5	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.2	0.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.2	0.2	0.1	0.1	0.1	0.0	0.0
85°	0.4	0.3	0.2	0.2	0.1	0.1	0.0
82.5°	0.5	0.5	0.4	0.3	0.2	0.1	0.0
80°	0.7	0.6	0.5	0.4	0.2	0.1	0.0
77.5°	0.7	0.7	0.6	0.5	0.3	0.2	0.0
75°	0.7	0.7	0.7	0.5	0.4	0.2	0.0
72.5°	0.7	0.7	0.7	0.6	0.4	0.2	0.0
70°	0.7	0.7	0.7	0.7	0.5	0.2	0.0
67.5°	0.9	0.7	0.7	0.7	0.5	0.3	0.0
65°	1.1	0.8	0.7	0.7	0.6	0.3	0.0
62.5°	1.2	0.9	0.7	0.7	0.6	0.3	0.0
60°	1.4	1.0	0.7	0.7	0.7	0.3	0.0
57.5°	1.4	1.2	0.8	0.7	0.7	0.4	0.0
55°	1.4	1.3	0.9	0.7	0.7	0.4	0.0
52.5°	1.4	1.4	1.0	0.7	0.7	0.4	0.0
50°	1.4	1.4	1.1	0.7	0.7	0.4	0.0
47.5°	1.4	1.4	1.2	0.7	0.7	0.5	0.0
45°	1.7	1.4	1.3	0.8	0.7	0.5	0.0
42.5°	2.0	1.4	1.4	0.8	0.7	0.5	0.0
40°	2.3	1.4	1.4	0.9	0.7	0.5	0.0
37.5°	2.5	1.4	1.4	1.0	0.7	0.6	0.0
35°	2.7	1.5	1.4	1.0	0.7	0.6	0.0
32.5°	2.9	1.7	1.4	1.1	0.7	0.6	0.0
30°	3.0	1.9	1.4	1.1	0.7	0.6	0.0
27.5°	3.1	2.0	1.4	1.2	0.7	0.6	0.0
25°	3.2	2.2	1.4	1.2	0.7	0.6	0.0
22.5°	3.3	2.3	1.4	1.2	0.7	0.6	0.0
20°	3.3	2.4	1.4	1.3	0.7	0.7	0.0
17.5°	3.4	2.5	1.4	1.3	0.7	0.7	0.0
15°	3.5	2.6	1.4	1.3	0.7	0.7	0.0
12.5°	3.5	2.7	1.4	1.3	0.7	0.7	0.0
10°	3.5	2.8	1.4	1.4	0.7	0.7	0.0
7.5°	3.6	2.8	1.4	1.4	0.7	0.7	0.0
5°	3.6	2.9	1.4	1.4	0.7	0.7	0.0
2.5°	3.6	2.9	1.4	1.4	0.7	0.7	0.0
0°	3.6	2.9	1.4	1.4	0.7	0.7	0.0
-2.5°	3.6	2.9	1.4	1.4	0.7	0.7	0.0
-5°	3.6	2.9	1.4	1.4	0.7	0.7	0.0
-7.5°	3.6	2.8	1.4	1.4	0.7	0.7	0.0
-10°	3.5	2.8	1.4	1.4	0.7	0.7	0.0
-12.5°	3.5	2.7	1.4	1.3	0.7	0.7	0.0
-15°	3.5	2.6	1.4	1.3	0.7	0.7	0.0
-17.5°	3.4	2.5	1.4	1.3	0.7	0.7	0.0
-20°	3.3	2.4	1.4	1.3	0.7	0.7	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	3.3	2.3	1.4	1.2	0.7	0.6	0.0
-25°	3.2	2.2	1.4	1.2	0.7	0.6	0.0
-27.5°	3.1	2.0	1.4	1.2	0.7	0.6	0.0
-30°	3.0	1.9	1.4	1.1	0.7	0.6	0.0
-32.5°	2.9	1.7	1.4	1.1	0.7	0.6	0.0
-35°	2.7	1.5	1.4	1.0	0.7	0.6	0.0
-37.5°	2.5	1.4	1.4	1.0	0.7	0.6	0.0
-40°	2.3	1.4	1.4	0.9	0.7	0.5	0.0
-42.5°	2.0	1.4	1.4	0.8	0.7	0.5	0.0
-45°	1.7	1.4	1.3	0.8	0.7	0.5	0.0
-47.5°	1.4	1.4	1.2	0.7	0.7	0.5	0.0
-50°	1.4	1.4	1.1	0.7	0.7	0.4	0.0
-52.5°	1.4	1.4	1.0	0.7	0.7	0.4	0.0
-55°	1.4	1.3	0.9	0.7	0.7	0.4	0.0
-57.5°	1.4	1.2	0.8	0.7	0.7	0.4	0.0
-60°	1.4	1.0	0.7	0.7	0.7	0.3	0.0
-62.5°	1.2	0.9	0.7	0.7	0.6	0.3	0.0
-65°	1.1	0.8	0.7	0.7	0.6	0.3	0.0
-67.5°	0.9	0.7	0.7	0.7	0.5	0.3	0.0
-70°	0.7	0.7	0.7	0.7	0.5	0.2	0.0
-72.5°	0.7	0.7	0.7	0.6	0.4	0.2	0.0
-75°	0.7	0.7	0.7	0.5	0.4	0.2	0.0
-77.5°	0.7	0.7	0.6	0.5	0.3	0.2	0.0
-80°	0.7	0.6	0.5	0.4	0.2	0.1	0.0
-82.5°	0.5	0.5	0.4	0.3	0.2	0.1	0.0
-85°	0.4	0.3	0.2	0.2	0.1	0.1	0.0
-87.5°	0.2	0.2	0.1	0.1	0.1	0.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)